

CLAIMS

1. A photovoltaic cell which is a membrane electrode assembly capable of transmitting light.
2. A cell according to claim 1, wherein the membrane is a material comprising a polymer, the polymer comprising a strongly ionic group.
- 5 3. A cell according to claim 2, wherein the polymer is hydrophilic.
4. A cell according to claim 2 or claim 3, wherein the polymer is cross-linked.
5. A cell according to any preceding claim, wherein the membrane is a malleable material.
- 10 6. A cell according to any preceding claim, wherein the assembly is in the form of a stack.
7. A cell according to any preceding claim, wherein the assembly comprises a catalyst.
8. A cell according to claim 7, wherein the catalyst comprises platinum
- 15 and/or titanium dioxide.
9. A cell according to any preceding claim, wherein the membrane comprises a channel suitable for the transmission of light.
10. A cell according to any preceding claim, wherein the membrane is optically transparent.
- 20 11. A cell according to any preceding claim, wherein the assembly comprises a dye sensitiser.
12. A cell according to any preceding claim, wherein the assembly is planar in structure.
13. A cell according to any preceding claim, wherein an electrode is
- 25 transparent.
14. A method for generating a voltage, which comprises irradiating a cell according to any of claims 1 to 13